PB570

GP PowerBank

Instruction Manual

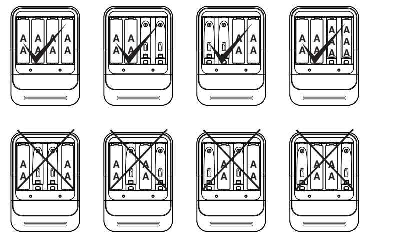


Fig.1

Charging Time

	Size	Capacity	Charging Time (hrs)
GP NiMH	AA	2100 series ~ 2600 series (min.2000mAh) ~ (min.2600mAh)	5.5 ~ 7.0
		1300 series ~ 1800 series (min.1300mAh) ~ (min.1800mAh)	3.5 ~ 5.0
	AAA	650 series ~ 950 series (min.650mAh) ~ (min.950mAh)	4.5 ~ 6.5

Specifications

Input Voltage	Output Voltage	Charging Current (mA)		Trickle Charge Current (mA)	
	AA / AAA	AA	AAA	AA	AAA
AC100-240V	DC 2.8V	400	160	40	40

LED Indications

Condition	LED Indicator
Power connected but without battery	LED Off
Charging in Progress	Slow pulsing LED
Fully charged and switched to trickle charge	LED On
Bad / Primary battery	Fast blinking LED

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Charger Features

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- * AC100-240V for worldwide use
- * Two charging channels
- * Charge 2 or 4 pieces of AA or AAA NiMH rechargeable batteries
- * Termination methods
  - Minus delta voltage (-dV)
  - Safety timer protection
  - Over temperature protection
- * Primary and damaged batteries detection
- * Two amber LED indicators

Operating Instructions

1. GP PowerBank can charge 2 or 4 pcs AA/AAA NiMH rechargeable batteries in pair. Never charge AA and AAA NiMH batteries in the same channel. (Fig.1)
2. Insert GP NiMH rechargeable batteries into the charging slot correctly according to the polarity indications (+/–).
3. Directly plug GP PowerBank into its corresponding AC power outlet for charging.
4. The LED indicators will be blinking slowly in amber when charging is in progress. The LED will be on when the batteries are fully charged. Trickle charging will start after all batteries are fully charged.
5. The amber LED indicator will be flashing quickly and the charger will stop charging if alkaline, rechargeable alkaline or damaged batteries are mistakenly inserted into the charging slots.
6. Unplug the charger from the power source and remove the batteries when they are fully charged.

For best performance and safety, charge only GP NiMH with GP PowerBank.

Attention

1. It is normal for batteries to become warm during charging and they will gradually cool down to room temperature after fully charged.
2. Remove batteries from the electrical device if the device is not going to be used for a long time.
3. Battery storage temperature: -20°C to 35°C
   Charger operation temperature: 0°C to 40°C

Caution

1. Charge GP Nickel Metal Hydride (NiMH) batteries only.
2. Do not charge other types of batteries, such as alkaline, carbon zinc, lithium, rechargeable alkaline or any other kinds of batteries unspecified. They may leak or burst, causing personal injury and damage.
3. Never use an extension cord or any attachment not recommended by GP, otherwise may lead to a risk of fire, electric shock or personal injury.
4. Unplug the charger from the outlet before attempting cleaning or when not in use.
5. Do not short circuit batteries.
6. Do not wet, incinerate or disassemble the charger and batteries.
7. Dry location use only or Do not expose to liquid, vapor, or rain.
8. See the instruction manual for use in countries other than U.S.A.
9. For connection to a supply not in the U.S.A., use an attachment plug adapter of the proper configuration for the power outlet. This power unit is intended to be correctly orientated in a vertical or floor mount position.
10. "IMPORTANT SAFETY INSTRUCTIONS - SAVE THESE INSTRUCTIONS" and "DANGER" - TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, CAREFULLY FOLLOW THESE INSTRUCTIONS".
11. This appliance is not intended for use by young children or infirm persons unless they have been adequately supervised by a responsible person to ensure that they can use the appliance safety. Young children should be supervised to ensure that they do not play with the appliance.

For charging conventional GP NiMH rechargeable batteries

1. For brand new batteries, 2 to 3 times of charging and usage cycles are required to optimize the batteries' performance.
2. If batteries are stored for more than one week, always recharge them before use.

For charging new generation NiMH rechargeable batteries (GP ReCyko+ batteries)

1. GP ReCyko+ batteries are pre-charged. No need to recharge prior to first use. Please recharge if the batteries cannot power up your devices.
2. GP ReCyko+ batteries come with good capacity retention. Remove the batteries and unplug the charger once the charging is complete. Do not leave batteries in the charger for extended periods. Always unplug the charger when it is not in use.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference

Do not dispose of electrical appliances as unsorted municipal waste, use separate collection facilities. Contact your local government for information regarding the collection systems available. If electrical appliances are disposed of in landfills or dumps, hazardous substances can leak into the groundwater and get into the food chain, damaging your health and well-being.